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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=9; day=17; hr=11; min=40; sec=27; ms=870;]

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Reviewer Comments:

SEQUENCE LISTING

<110> STROPP Udo

<120> Haplotypes and Polymorphisms linked to human Thiopurine S-Methyltransferase Deficiencies

The above <120> response exceeds the Sequence Rules' 72-character line limit; please adjust the line.

<210> 16

<211> 31

<212> DNA

<213> Homo Sapiens

<220>

<221> variation

<222> (16)..(16)

<223>

<400> 16

aacagaattartcttgyetta atgatgaatt c 31

Please remove the above <223>, since no response is shown. This also appears in many sequences. Please divide the first group of nucleotides above into 10's, with a space between groups. The "e" shown at location 18 is not a valid nucleotide designator: please use "n" for all modified or unusual nucleotides, and explain it in the <220>-<223> section. Although the <211> response is 31, 32 nucleotides are shown.

<211> 21
<212> DNA
<213> Homo Sapiens

<400> 137
agtaaaaata tcactctgct c 21

Please insert "<210> 137" above the <211> line.

<210> 168
<211> 20
<212> DNA
<213> Homo Sapiens

<400> 168
ttccccccacac tgaggaagga 20

Although the <211> response is "20," 21 nucleotides are shown above.
The first group of nucleotides shows 11 bases.

FYI: please do not use TAB codes in the sequence listing. TAB's cause
processing problems.

Application No: 10585474 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-15 10:51:16.020
Finished: 2008-08-15 10:51:32.307
Elapsed: 0 hr(s) 0 min(s) 16 sec(s) 287 ms
Total Warnings: 0
Total Errors: 59
No. of SeqIDs Defined: 232
Actual SeqID Count: 231

Error code	Error Description
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD) in <141>
E 287	Invalid WIPO ST.2 date format; Use (YYYY-MM-DD)in <151>
E 201	Mandatory field data missing in <223> in SEQ ID (1)
E 201	Mandatory field data missing in <223> in SEQ ID (2)
E 201	Mandatory field data missing in <223> in SEQ ID (3)
E 201	Mandatory field data missing in <223> in SEQ ID (4)
E 201	Mandatory field data missing in <223> in SEQ ID (5)
E 201	Mandatory field data missing in <223> in SEQ ID (6)
E 201	Mandatory field data missing in <223> in SEQ ID (7)
E 201	Mandatory field data missing in <223> in SEQ ID (8)
E 201	Mandatory field data missing in <223> in SEQ ID (9)
E 201	Mandatory field data missing in <223> in SEQ ID (10)
E 201	Mandatory field data missing in <223> in SEQ ID (11)
E 201	Mandatory field data missing in <223> in SEQ ID (12)
E 201	Mandatory field data missing in <223> in SEQ ID (13)
E 201	Mandatory field data missing in <223> in SEQ ID (14)
E 201	Mandatory field data missing in <223> in SEQ ID (15)
E 201	Mandatory field data missing in <223> in SEQ ID (16)
E 259	Found undefined lettercode; POS (18) SEQID(16)
E 254	The total number of bases conflicts with running total, Input: 31,

Input Set:

Output Set:

Started: 2008-08-15 10:51:16.020
Finished: 2008-08-15 10:51:32.307
Elapsed: 0 hr(s) 0 min(s) 16 sec(s) 287 ms
Total Warnings: 0
Total Errors: 59
No. of SeqIDs Defined: 232
Actual SeqID Count: 231

Error code	Error Description
	SEQID(16)
E 253	The number of bases differs from <211> Input: 31 Calculated:32
E 201	Mandatory field data missing in <223> in SEQ ID (17)
E 201	Mandatory field data missing in <223> in SEQ ID (18)
E 201	Mandatory field data missing in <223> in SEQ ID (19)
E 201	Mandatory field data missing in <223> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed
E 212	Invalid Sequence ID Number; Expected 137 as next SeqID but skipped
E 254	The total number of bases conflicts with running total, Input: 20, Calculated : 21 SEQID(168)
E 253	The number of bases differs from <211> Input: 20 Calculated:21
E 252	Calc# of Seq. differs from actual; 232 seqIds defined; count=231

SEQUENCE LISTING

<110> STROPP Udo

<120> Haplotypes and Polymorphisms linked to human Thiopurine S-Methyltransferase Deficiencies

<130> 2004P56002WOUS

<140> 10585474

<141> 2008-08-15

<150> PCT/EP05/00064

<151> 2005-01-2005

<160> 232

<170> PatentIn version 3.1

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<213> Homo Sapiens

<220>

<221> variation

<222> (16)..(16)

<223>

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ctaagtattt tttctyctcc ttgcattacc a 31

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<211> 31

<212> DNA

<213> Homo Sapiens

<220>

<221> variation

<222> (16)..(16)

<223>

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aaggcatagt gttatytgaa agagaaatta a 31

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<211> 31

<212> DNA

<213> Homo Sapiens

<220>

<221> variation

<222> (16)..(16)

<223>

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<220>
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<210> 5
<211> 31
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<220>
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<210> 6
<211> 31
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<212> DNA

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<221> variation

<222> (16)..(16)

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<213> Homo Sapiens

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<222> (16)..(16)

<223>

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aataaataaa taaatmaatc taggtttcca a 31

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<223>

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<221> variation

<222> (16)..(16)

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<210> 12
<211> 31
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<220>
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<222> (16)..(16)
<223>

<400> 12
tctcaggttt acttcygagg cttgagtaca c 31

<210> 13
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<400> 13
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<220>
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<222> (16)..(16)
<223>

<400> 14
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<210> 15
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<212> DNA
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<222> (16)..(16)
<223>

<400> 15
tcctcttcag gctatyaaag aagcatttag 30

<210> 16
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<220>
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<400> 16
aacagaattartcttgyetta atgatgaatt c 31

<210> 17
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<220>
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aaactccatt ttcagkaa atcacagaaat 30

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<210> 19
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<400> 19
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gaacttgga tacaakaatt ttttacagag 30

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<220>
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<223>

<400> 22
agaagaacca atcacygaaa ttcttgaac 30

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<220>
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<400> 23
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<220>
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<222> (16)..(16)
<223>

<400> 25
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<210> 26
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<220>
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<222> (16)..(16)
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<400> 26
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<222> (16)..(16)
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<220>
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<210> 31
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<220>
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<400> 31
cttttttttc gagacrgagt ttcgctcttg t 31

<210> 32
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<213> Homo Sapiens

<220>

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<222> (16)..(16)

<223>

<400> 32

cgtgcccgagc cttatsttag tattttatat a 31

<210> 33

<211> 31

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<213> Homo Sapiens

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<222> (16)..(16)

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<222> (16)..(16)

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<400> 34

gtctagccag gctccrtaga aactggagtg c 31

<210> 35

<211> 31

<212> DNA

<213> Homo Sapiens

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<222> (16)..(16)

<223>

<400> 35

gggaaagaag ttctaktatc tcctgtgtgt t 31

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<211> 31

<212> DNA

<213> Homo Sapiens

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ggcctgacat tctttwtgaa atttagaatt g 31

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ggtctcactt tgttgscac gctgatgttg a 31

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<222> (16)..(16)

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<400> 41

cttaggtagt tgatcwtta tgtaatatgt g 31

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<211> 21

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<213> Homo Sapiens

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<223>

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<212> DNA

<213> Homo Sapiens

<220>

<221> variation
<222> (16)..(16)
<223>

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<213> Homo Sapiens

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<222> (11)..(11)
<223>

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tcattgtact rttgcagtat t 21

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<222> (16)..(16)
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<222> (11)..(11)

<223>

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ccaggtgatc rcaaattgta a 21

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<213> Homo Sapiens

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<223>

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<223>

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<213> Homo Sapiens

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tattttttct cctccttgca t 21

<210> 52

<211> 24

<212> DNA

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<400> 52

ttctccaacc tgtttagcaat ccta 24

<210> 53

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gtgaaagtga attatatgga tgatggtaa 29

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agtatttttt cttctccttg ca 22

<210> 55
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tttctctttc aaataacact at 22

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<212> DNA
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tctctttcag ataacactat 20

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cccataaaac aggctgtcag aag 23

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tctc gatgtt attgaac 17

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cagaggaaaa tattcaatta agggttaag 29

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<211> 17
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cccgcac gccg c ttgcag 17

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aaacctagat ttatttatatt attt 24

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tgttctatca aaaagtgact ttgagataga 30

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gaaactacag gagttacact tctcaggtt 29

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<400> 99
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cttcaggcta tcaaaga 17

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<211> 26
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aatgaatgaa aagtgttcac ctacca 26

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cataccattt catctcaacc gc 22

<210> 106
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